



HUNTSVILLE

Tommy Battle
Mayor

Shane Davis, P.E.
Director of
City Engineering

**REDSTONE GATEWAY, PACKAGE 1F REDSTONE GATEWAY
EXTENSION, MARKET STREET AND OVERLOOK ROAD
RELOCATION**

**Project No. 65-11-SP22
October 11, 2011**

Addendum #3

The attached pre-bid meeting minutes, all addenda, and attachments for the above- referenced project will become part of the contract documents.

Additional Questions from Contractors:

1. Q. Do we need an excavation permit, if so, how much?

A. A dig permit from Redstone Arsenal is the only permit that is required as discussed at the prebid. No fees required.
2. Q. For the tie-ins for water and sewer for City of Huntsville and Redstone Arsenal, do we use tapping sleeves, stopple valves, or cut water off and sleeve it?

A. All connections should be per Huntsville Utilities Water Department Facilities Specification 2008 for water and City of Huntsville Engineering Department "Design and Acceptance Manual for Sanitary Sewers" dated March 2011 for sanitary sewer.
3. Q. Please provide specifications for the overhead power line and the IMP3 line that are to be relocated including number of conductors, size of conductors, number of fiber optic lines, and are they multi or single mode?

A. To be clarified in Addendum #4.

The Star of Alabama

4. Q. Please provide specifications for the new power poles including pole material type, size, height and burial depth.
- A. To be clarified in Addendum #4.
5. Q. Will raised pavement markers be required with the striping? If so what type and what will be the spacing? If so what type and what will be the spacing?
- A. Raised pavement markers will not be required.
6. Q. Can you clarify what the overhead electrical relocation is for this project? If you look on the demolition section, it only shows demolition of the overhead electrical to Rideout RD., if you look at the electrical installation on the utility sheets, it shows it going a lot further than this.
- A. The power demolition plan is correct. Please note on Sheets C11.2 and C11.3, the power relocation is just south of the Overlook Road relocation (only). The proposed poles and lines you see running north and south on the east side of Rideout road is for communication only.
7. Q. Are we to include wildflower seed mix as noted on drawing 10.1, Special Note 5?
- A. Yes, specifications for wildflower seed mix have been included in Addendum #3, attached.
8. Q. While reviewing the drawings for the relocation of the 12" water main on Overlook RD, I noticed you were calling for every joint to be restraint joint. Will this be a requirement?
- A. We only need restrained joints at the bends and fittings. Slip joint pipe shall be used in all straight runs of pipe.
9. Q. In Package 1F they are calling for gravel being and backfill in "improved areas". I assume they mean under the future roadway. If "improved" means something else let me know. Also, if you are trying to get a water tight seal to make sure the ponds hold, just a suggestion, but there needs to be a good quality clay backfill around the box culverts or pipe instead of gravel backfill for a certain distance (i.e maybe 50' feet or so adjacent to the ponds). That means under the box culvert/pipe as well. I know the seep collars will work to but red clay does wonders.
- A. "Improved areas" include existing and proposed impervious areas such as concrete and asphalt paving.
10. Q. We are not sure what addendum #2 definition means by water tight. Need some clarification on this.
- A. The ponds are "wet ponds" and a majority of the culverts will be submerged and should hold water. Therefore, we desire for the culvers and pipe to be water tight and not allow water to exfiltrate from the storm culverts and pipe.

Attachments: Wildflower Mix

END OF ADDENDUM #3

Wildflower Mix

(American Meadows Custom Mix - REDSTONE PROPERTY or approved equal)

Notes:

- 1. 30 pounds per acre application rate for wildflower mix.**
- 2. 25 pounds per acre of fescue seed for stabilization.**
- 3. 300 pounds of acre of fertilizer (19-19-19) to help with stabilization.**

<u>Latin Name</u>	<u>Common Name</u>	<u>Life Cycle</u>
Ammi majus	Queen Anne's Lace	A
Calendula officinalis	Pot Marigold	A
Centaurea cyanus	Cornflower	A
Cheiranthus allionii	Siberian Wallflower	B
Chrysanthemum leucanthemum	Ox-Eye Daisy	P
Chrysanthemum maximum	Shasta Daisy	P
Clarkia amoena	Godetia	A
Clarkia unguiculata	Farewell-to-Spring	A
Coreopsis lanceolata	Lance-Leaf Coreopsis	P
Coreopsis tinctoria	Plains Coreopsis	A
Cosmos bipinnatus	Wild Cosmos	A
Cosmos sulphureus	Sulphur Cosmos	A
Cynoglossum amabile	Chinese Forget-Me-Not	A
Delphinium ajacis	Wild Larkspur	A
Dianthus barbatus	Wild Sweet William	B
Digitalis purpurea	Foxglove	B
Echinacea purpurea	Purple Coneflower	P
Eschscholzia californica	California Poppy	A
Gaillardia aristata	Perennial Gaillardia	P
Gaillardia pulchella	Indian Blanket	A
Gilia capitata	Globe Gilia	A
Gypsophila elegans	Baby's Breath	A
Helianthus annuus	Wild Annual Sunflower	A
Iberis umbellata	Candytuft	A
Ipomopsis rubra	Standing cypress	A
Lavatera trimestris	Rose Mallow	A
Liatris spicata	Dense Blazing Star	P
Linaria maroccana	Baby Snapdragon	A
Linum grandiflorum rubrum	Scarlet Flax	A
Linum perenne lewisii	Blue Flax	P
Lobularia maritima	Wild Sweet Alyssum	A
Lupinus perennis	Wild Lupine	P
Lupinus perennis	Perennial Lupine	P
Lupinus sp.	Annual Lupine	A
Lupinus texensis	Texas Bluebonnet	A
Lychnis chalcidonica	Maltese Cross	A
Mirabilis jalapa	Four O'Clock	A
Nemophila menziesii	Baby Blue Eyes	A
Oenothera lamarckiana	Evening Primrose	A
Papaver rhoeas	Red Poppy	A
Penstemon strictus	Rocky Mt Penstemon	P

Phlox drummondii	Drummond Phlox	A
Ratibida columnaris	Mexican Hat	P
Ratibida columnaris yellow	Prairie Coneflower	P
Rudbeckia gloriosa	Gloriosa Daisy	P
Rudbeckia hirta	Black-eyed Susan	B
Rudbeckia subtomentosa	Sweet Coneflower	B
Salvia coccinea	Scarlet Sage	A
Silene armeria	None-so-Pretty	A